

25M Records and operations

Wordload A

Load	Item	S3 w/ rename	S3 w/o rename	Difference
[OVERALL]	RunTime(ms)	839501	836226.00	99.61%
[OVERALL]	Throughput(ops/sec)	29779.59526	29896.22	100.39%
[INSERT]	AverageLatency(us)	2137.372748	2130.00	99.65%
[INSERT]	MinLatency(us)	535	545.00	101.83%
[INSERT]	MaxLatency(us)	1608703	690175.00	-33.09%
[INSERT]	95thPercentileLatency(us)	3719	3609.00	96.95%
[INSERT]	99thPercentileLatency(us)	19615	20335.00	103.54%

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Run	Item	S3 w/ rename	S3 w/o rename	Difference
[OVERALL]	RunTime(ms)	1096660	1226525	110.59%
[OVERALL]	Throughput(ops/sec)	22796.49116	20382.78877	88.16%
[UPDATE]	AverageLatency(us)	1514.856602	1814.828456	116.53%
[UPDATE]	MinLatency(us)	519	475	90.74%
[UPDATE]	MaxLatency(us)	8880127	196735	-4313.75%
[UPDATE]	95thPercentileLatency(us)	2889	4131	130.07%
[UPDATE]	99thPercentileLatency(us)	8343	9687	113.87%
[READ]	AverageLatency(us)	4034.718623	4430.534067	108.93%
[READ]	MinLatency(us)	343	304	87.17%
[READ]	MaxLatency(us)	11673599	2250751	-318.65%
[READ]	95thPercentileLatency(us)	3627	5295	131.50%
[READ]	99thPercentileLatency(us)	91199	91519	100.35%
[READ]	Return=OK	12498281	12501082	100.02%

Wordload C

Run	Item	S3 w/ rename	S3 w/o rename	Difference
[OVERALL]	RunTime(ms)	754858	718733	94.97%
[OVERALL]	Throughput(ops/sec)	33118.81175	34783.4314	104.79%
[READ]	AverageLatency(us)	1923.10834	1830.966724	94.97%
[READ]	MinLatency(us)	327	322	98.45%
[READ]	MaxLatency(us)	222847	218111	97.83%
[READ]	95thPercentileLatency(us)	5599	5107	90.37%
[READ]	99thPercentileLatency(us)	8615	8263	95.74%

1 Billion Records 100M operations

Wordload A

Load	Item	S3 w/ rename	S3 w/o rename	Diff
[OVERALL]	RunTime(ms)	21328460	19600525	91.18%
[OVERALL]	Throughput(ops/sec)	4688.571045	5101.904158	108.10%
[INSERT]	AverageLatency(us)	13621.90198	12514.18578	91.15%
[INSERT]	MinLatency(us)	865	632	63.13%
[INSERT]	MaxLatency(us)	131137535	86900735	49.10%
[INSERT]	95thPercentileLatency(us)	43551	43519	99.93%
[INSERT]	99thPercentileLatency(us)	72511	73855	101.82%

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Run	Item	S3 w/ rename	S3 w/o rename	Diff
[OVERALL]	RunTime(ms)	33106774	32776281	98.99%
[OVERALL]	Throughput(ops/sec)	3020.529877	3050.986779	101.00%
[UPDATE]	AverageLatency(us)	1258.040866	989.20036	72.82%
[UPDATE]	MinLatency(us)	790	498	41.37%
[UPDATE]	MaxLatency(us)	11730943	11665407	99.44%
[UPDATE]	95thPercentileLatency(us)	1146	895	71.96%
[UPDATE]	99thPercentileLatency(us)	1279	1030	75.83%
[READ]	AverageLatency(us)	40948.17194	40752.67102	99.52%
[READ]	MinLatency(us)	649	356	17.70%
[READ]	MaxLatency(us)	12353535	12173311	98.52%
[READ]	95thPercentileLatency(us)	161791	161919	100.08%
[READ]	99thPercentileLatency(us)	422911	483071	112.45%

Wordload C

Run	Item	S3 w/ rename	S3 w/o rename	Diff
[OVERALL]	RunTime(ms)	4063058	3983187	97.99%
[OVERALL]	Throughput(ops/sec)	24612.00406	25105.5248	101.97%
[READ]	AverageLatency(us)	2589.603378	2536.42279	97.90%
[READ]	MinLatency(us)	624	372	32.26%
[READ]	MaxLatency(us)	14221311	12312575	84.50%
[READ]	95thPercentileLatency(us)	3679	4199	112.38%
[READ]	99thPercentileLatency(us)	28847	27455	94.93%